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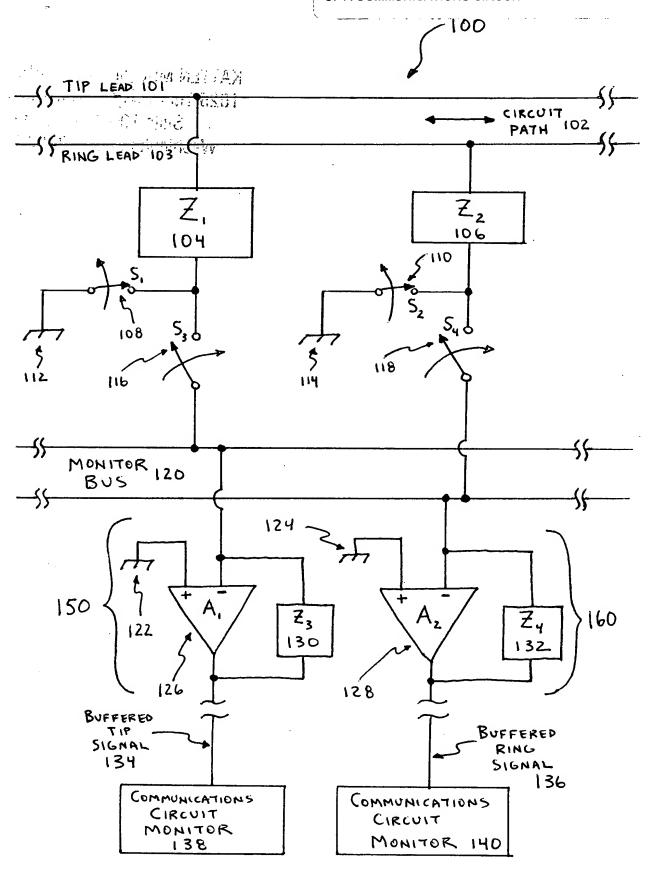
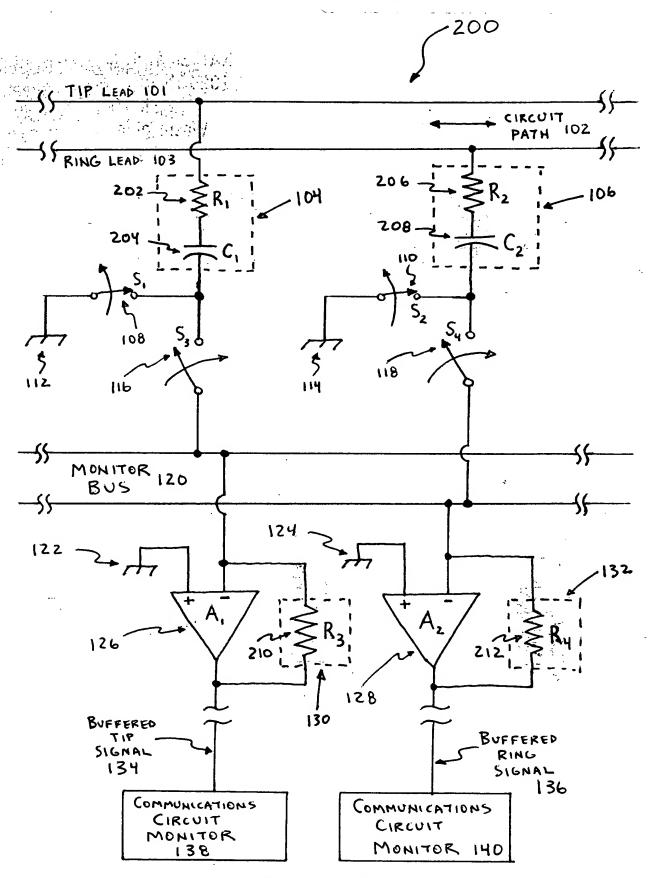


FIG. 1

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SYSTEM AND METHOD FOR HITLESS MONITORING ACCESS OF A COMMUNICATIONS CIRCUIT



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FIG. 2

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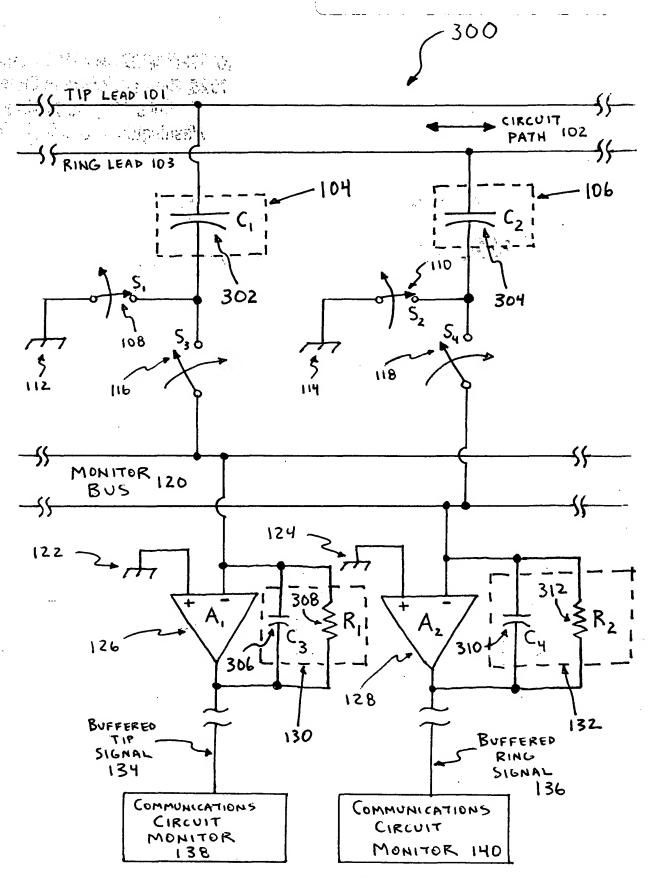
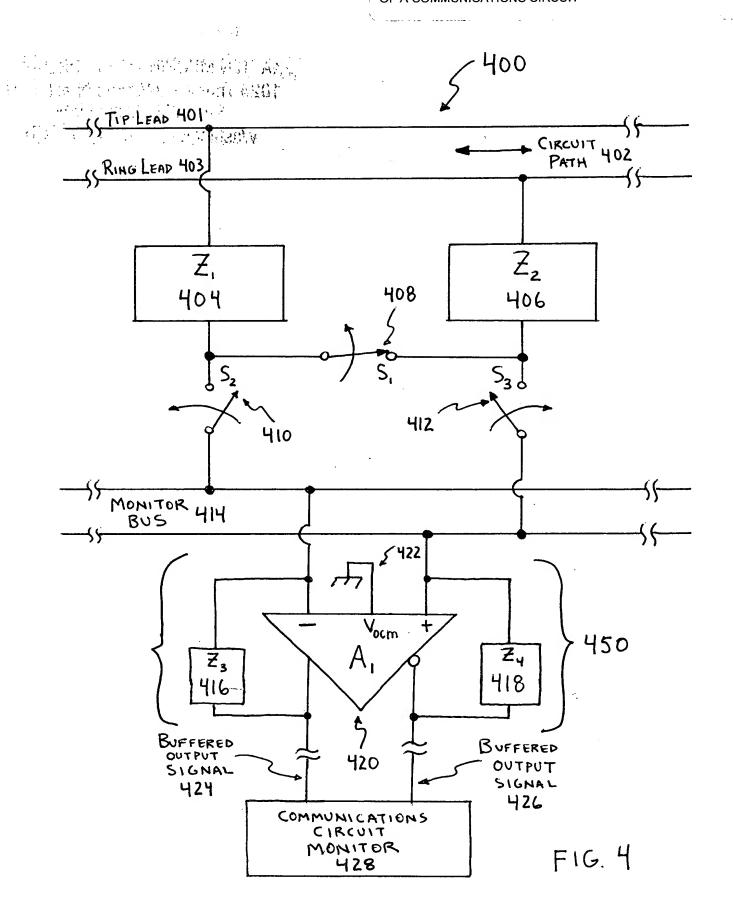


FIG. 3

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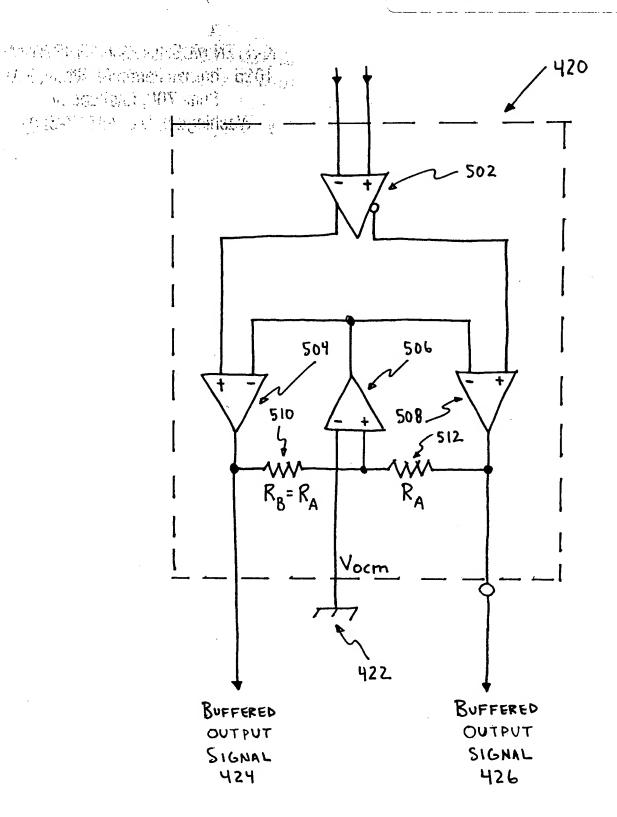
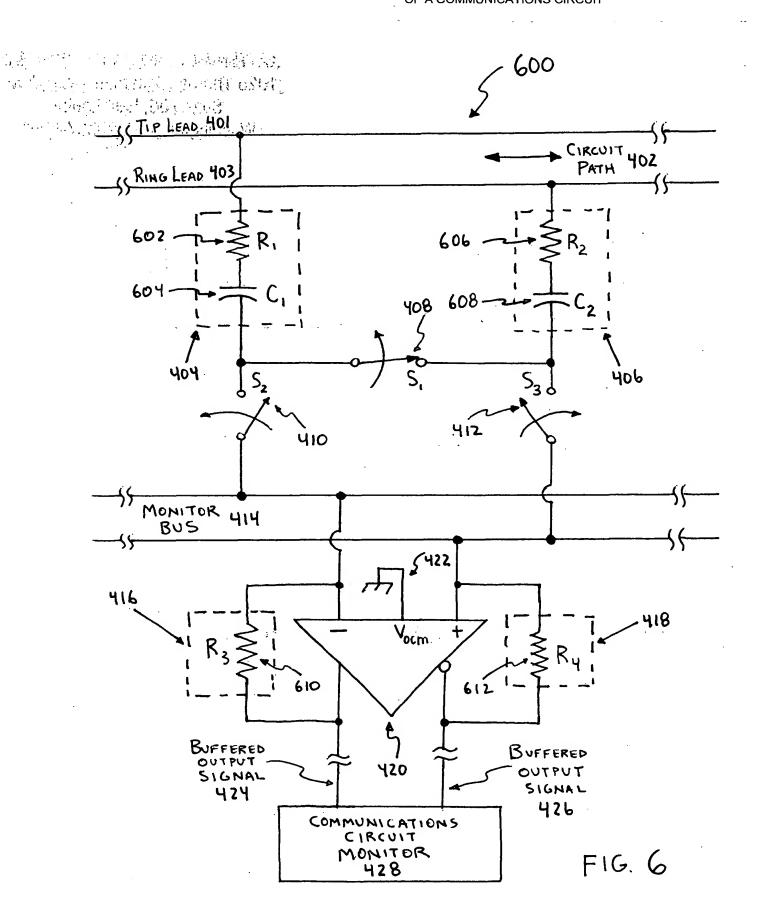


FIG. 5

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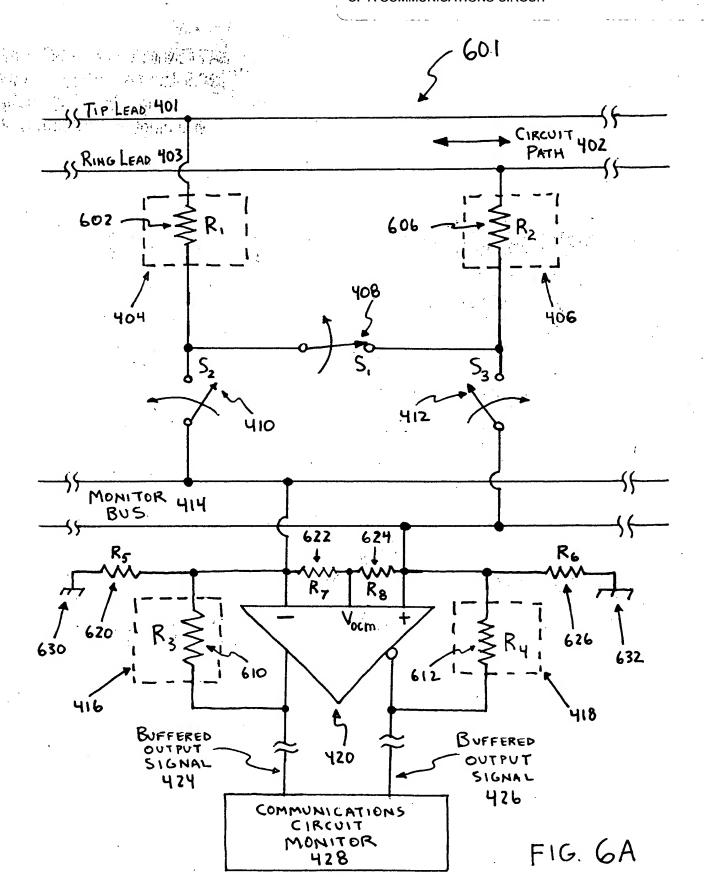
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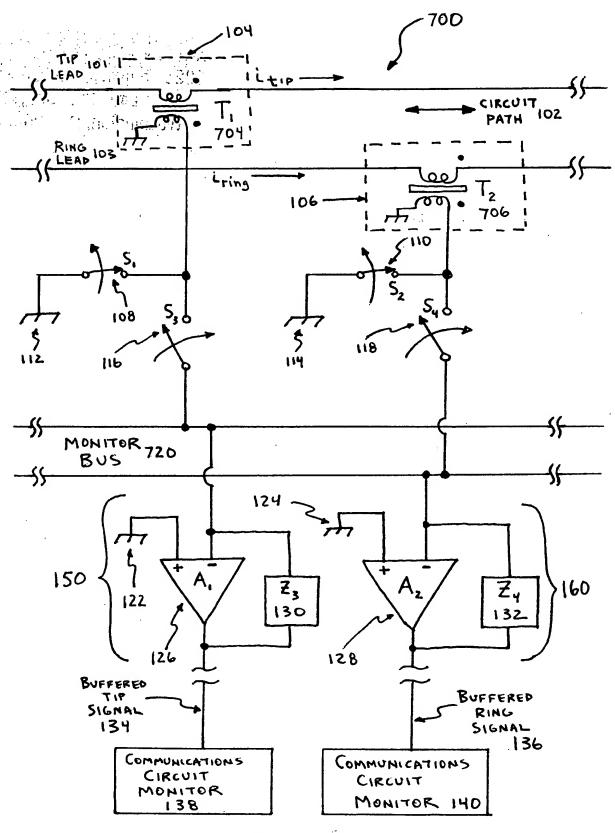
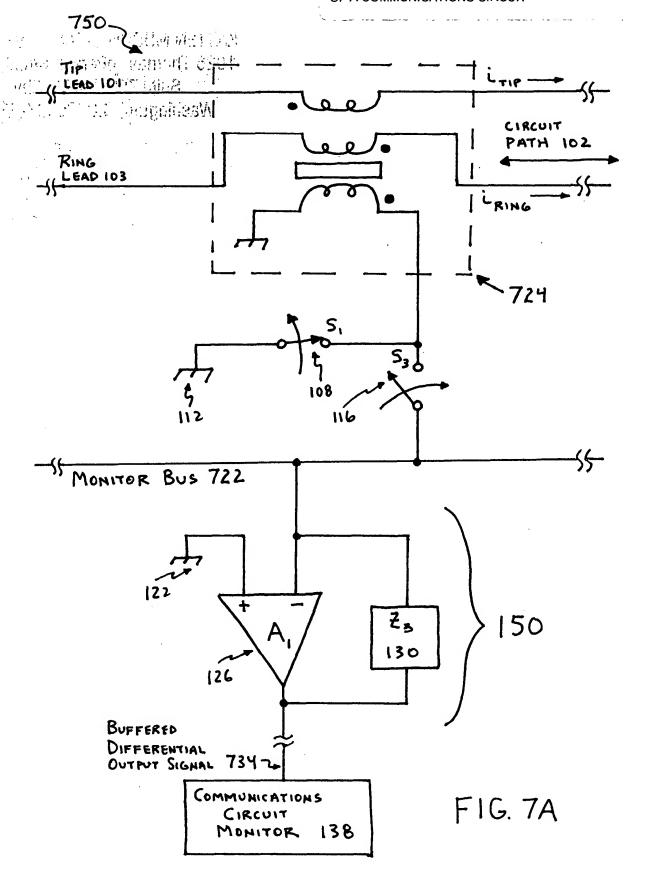


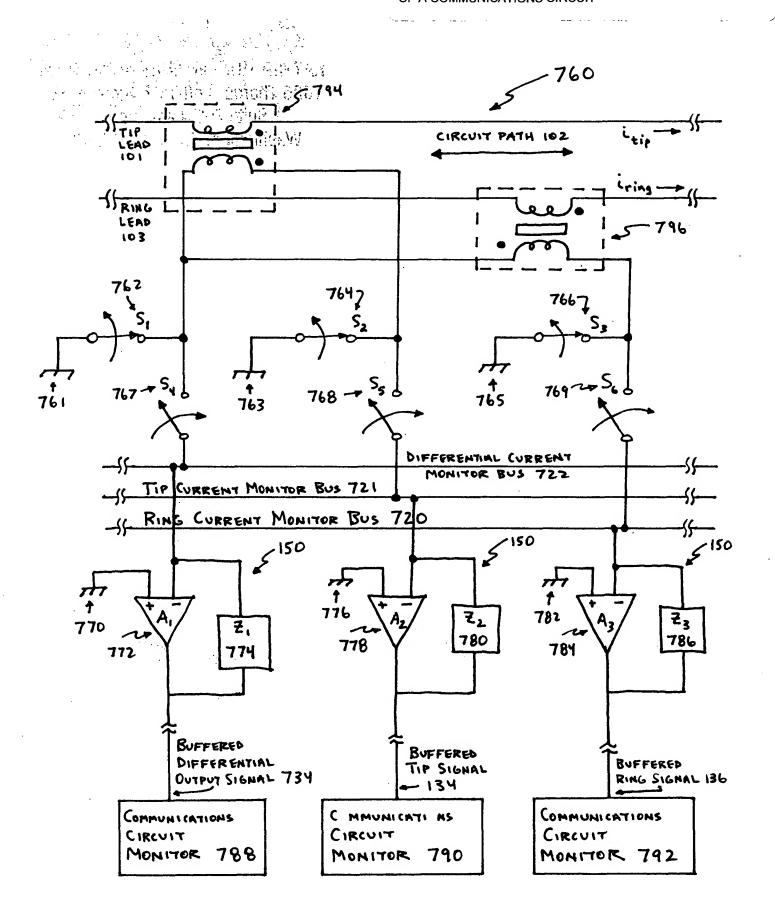
FIG.7

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SYSTEM AND METHOD FOR HITLESS MONITORING ACCESS OF A COMMUNICATIONS CIRCUIT

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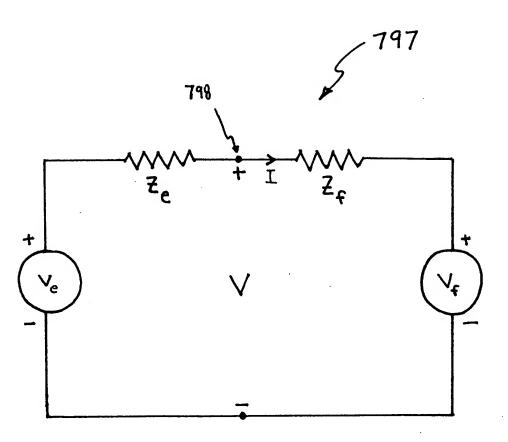
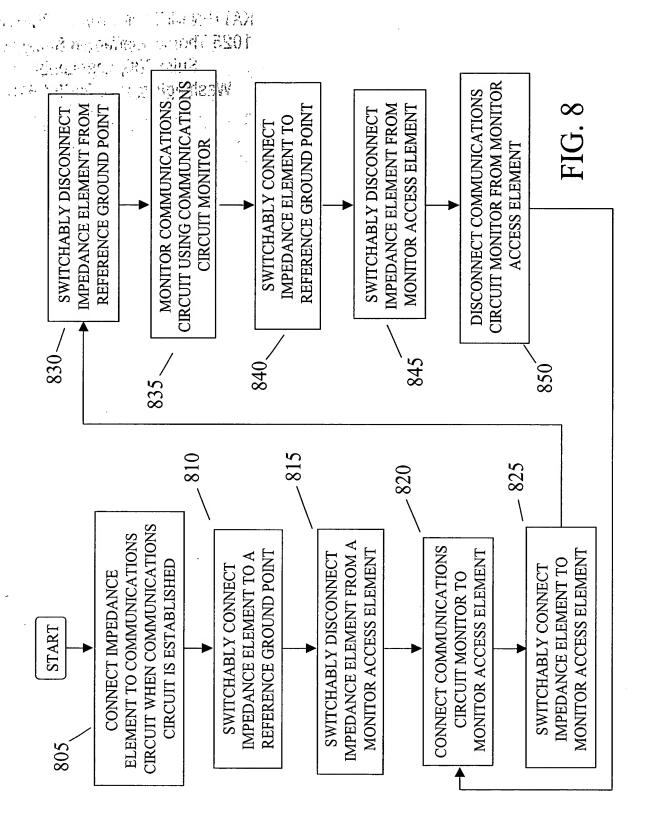
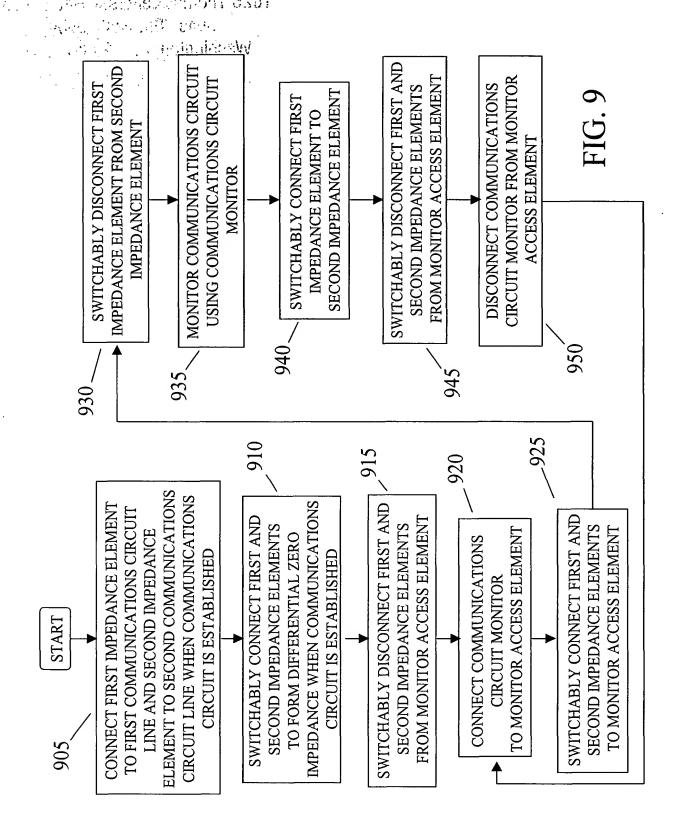


FIG. 7C

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SYSTEM AND METHOD FOR HITLESS MONITORING ACCESS OF A COMMUNICATIONS CIRCUIT

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CONNECT SELECTED LOAD TO COMMUNICATIONS
CIRCUIT WITHOUT DISRUPTING DATA COMMUNICATION
WITHIN COMMUNICATIONS CIRCUIT, BY SUBSTITUTING
SELECTED LOAD FOR AN EQUIVALENT LOAD,
WHEREIN THE EQUIVALENT LOAD IS CONNECTED TO
COMMUNICATIONS CIRCUIT AT TIME COMMUNICATIONS
CIRCUIT IS ESTABLISHED, AND WHEREIN COMMUNICATION
DEVICES COMMUNICATING VIA COMMUNICATIONS
CIRCUIT ADAPT TO PRESENCE OF EQUIVALENT LOAD

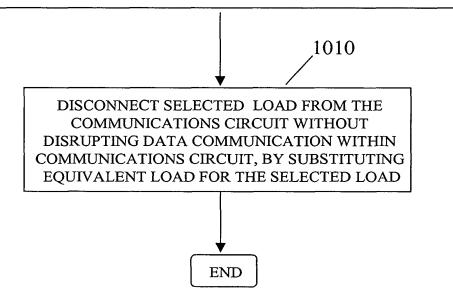


FIG. 10

Inventor: George R. Bailey
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OF A COMMUNICATIONS CIRCUIT

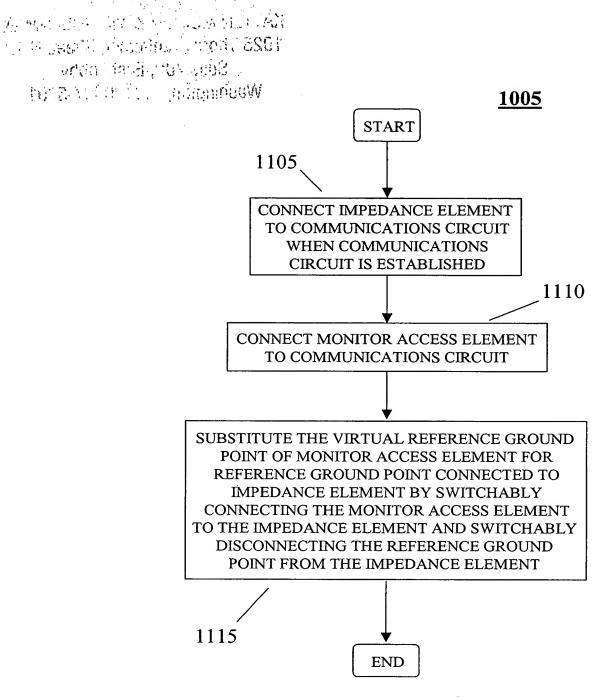


FIG. 11

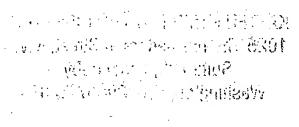
Filed: 08/04/2003

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OF A COMMUNICATIONS CIRCUIT



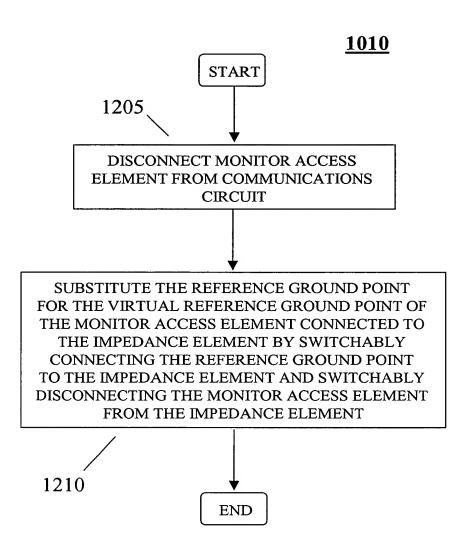


FIG. 12

have the a boar or himself the ·我点点,你们有些有效的。我们有自己的数据。 1005 WARRY TO THE WARF **START** the water to a sometimen. 1305 CONNECT FIRST AND SECOND IMPEDANCE **ELEMENTS ACROSS THE COMMUNICATIONS** CIRCUIT AS A DIFFERENTIAL IMPEDANCE, FORMED BY THE IMPEDANCE ELEMENTS, WHEN COMMUNICATIONS CIRCUIT IS ESTABLISHED CONNECT MONITOR ACCESS ELEMENT TO COMMUNICATIONS CIRCUIT 1310 SUBSTITUTE THE VIRTUAL DIFFERENTIAL ZERO IMPEDANCE OF THE MONITOR ACCESS · ELEMENT FOR A DIFFERENTIAL ZERO IMPEDANCE BETWEEN THE FIRST AND SECOND IMPEDANCE ELEMENTS BY SWITCHABLY CONNECTING THE MONITOR ACCESS ELEMENT TO EACH OF THE FIRST AND SECOND IMPEDANCE ELEMENTS AND BY SWITCHABLY DISCONNECTING THE FIRST IMPEDANCE ELEMENT FROM THE SECOND IMPEDANCE ELEMENT 1315 **END** 

Inventor: George R. Bailey

OF A COMMUNICATIONS CIRCUIT

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SYSTEM AND METHOD FOR HITLESS MONITORING ACCESS

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FIG. 13

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SYSTEM AND METHOD FOR HITLESS MONITORING ACCESS OF A COMMUNICATIONS CIRCUIT

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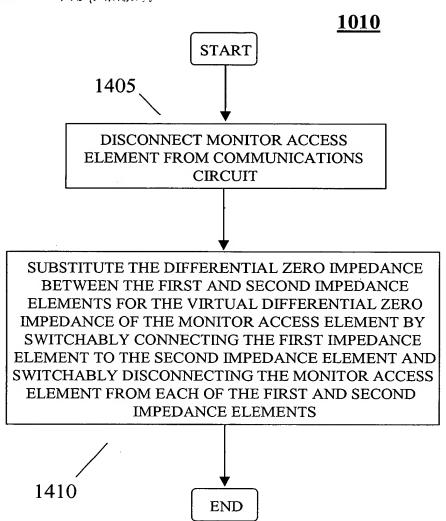


FIG. 14